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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/606,412	06/25/2003	Robert B. Saethre	2002-0042-01	5670

7590 10/20/2004
William C. Cray
c/o Cymer, Inc.
Legal Dept.
17075 Thornmint Court
San Diego, CA 92127

EXAMINER


LEON, EDWIN A

ART UNIT PAPER NUMBER

2833

DATE MAILED: 10/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/606,412	SAETHRE ET AL.	
	Examiner	Art Unit	
	Edwin A. León	2833	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-39 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-6, 13-18, 25-30 and 37-39 is/are rejected.
- 7) ☒ Claim(s) 7-12, 19-24 and 31-36 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 November 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Drawings

1. The drawings are objected to because it is unclear how the apparatus can electrically connect the two closely positioned high voltage modules with little or no bend and without any loops in an electrical interconnecting coaxial cable since only one module is shown. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

2. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," "disclosed" or "comprise", etc.

3. The disclosure is objected to because of the following informalities: There is no explanation on how the apparatus works with both modules and can electrically connect the two closely positioned high voltage modules with little or no bend and without any loops in an electrical interconnecting coaxial cable. Appropriate correction is required.

To the extent that the claimed invention is understood the rejection stands as follows:

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-6, 13-18, 25-30 and 37-39 are rejected under 35 U.S.C. 102(b) as being anticipated by Nicholson (U.S. Patent No. 6,237,690). With regard to Claims 1, 13 and 25, Nicholson discloses an apparatus comprising: a high voltage connector (10) attached to at least a portion of the cable (11) on at least one end of the cable (11); a push through high voltage connector receptor (inside plug body 5; Column 6, 66-67) means within one module (3); and, a disconnection mechanism (30) within the one module adapted to move the high voltage connector (10) and the at least a portion of cable (11) to which the high voltage connector (10) is attached through the connector receptor (inside plug body 5; Column 6, 66-67) from a contact position to a housed position in a direction away from the other module (2) to which high voltage connection is to be made. See Figs. 1-4 and 6.

The limitation “for electrically connecting two closely positioned high voltage modules with little or no bend and without any loops in an electrical interconnecting coaxial cable” has been given little patentable weight since it has been held that a recitation with respect to the manner in which a claimed apparatus is intended to be

employed does not differentiate the claimed apparatus from a prior art apparatus satisfying the claimed structural limitations. *Ex. parte Masham*, 2 USPQ2d 1647 (1987).

With regard to Claims 2, 14 and 26, Nicholson discloses the high voltage connector receptor (inside plug body 5; Column 6, 66-67) comprising: an open cylindrical connector (5) with a contacting surface (Column 6, 66-67) contained on the interior wall (Column 6, 66-67) of the cylindrical connector (5). See Figs. 1-4 and 6.

With regard to Claims 3, 4, 15-16, and 27-30, Nicholson discloses an interlock mechanism (means) in operative connection with the disconnection mechanism (30) and adapted to provide an indication of the high voltage connector (10) being in a position other than in the contact position relative to the connector receptor (inside plug body 5; Column 6, 66-67). See Figs. 1-4 and 6.

With regard to Claims 5-6 and 17-18, Nicholson discloses an engaging mechanism (back part of 6 where 11 is attached) engaging the cable (11) and holding the cable (11) in a fixed position relative to the disconnection mechanism (30) as the high voltage connector (10) moves between the contact position and the housed position. See Figs. 1-4 and 6.

With regard to Claims 37-39, Nicholson discloses an apparatus comprising: a first high voltage connector (10) attached to at least a portion of the cable (11) on one end of the cable (11) and a second high voltage connector (5) attached to at least a portion of the cable (11) at a second end of the cable (11); a push through high voltage connector receptor (inside plug body 5; Column 6, 66-67) within the first module (3); a disconnection mechanism (30) within the first module (3) adapted to move the high

voltage connector (10) and the at least a portion of cable (11) to which the high voltage connector (10) is attached through the connector receptor (inside plug body 5; Column 6, 66-67) from a contact position to a housed position in a direction away from the other module (2) to which high voltage connection is to be made; and a retractable connector means (6) within the second module (2) moveable toward the first module (3) from a retracted position into an extended position, in which extended position electrical contact is made with the second high voltage connector (5). See Figs. 1-4 and 6.

The limitation "for electrically connecting a first and a second closely positioned high voltage module with little or no bend and without any loops in an electrical interconnecting coaxial cable" has been given little patentable weight since it has been held that a recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus satisfying the claimed structural limitations. *Ex. parte Masham*, 2 USPQ2d 1647 (1987).

Allowable Subject Matter

6. Claims 7-12, 19-24 and 31-36 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The references fail to teach, disclose, or suggest, either alone or in combination, a clamping mechanism in cooperative connection with the disconnection mechanism

when the high voltage connector is in the contact position and cooperative with the clamping mechanism to prevent the high voltage connector from moving from the contact position and in combination with the rest of the limitations of the base and intermediate claims.

Conclusion


7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Findon et al. (U.S. Patent No. 5,857,868), Mori (U.S. Patent No. 6,283,781), Pitta (U.S. Patent No. 5,149,275), and Pauza (U.S. Patent No. 4,795,356) disclose apparatuses having high voltage connectors, cables and disconnection mechanisms.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edwin A. León whose telephone number is (571) 272-2008. The examiner can normally be reached on Monday - Friday 10:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley, can be reached on 571-272-2800, extension 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2833

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Gary Paumen
Primary Examiner

Edwin A. Leon
AU 2833

EAL
October 16, 2004